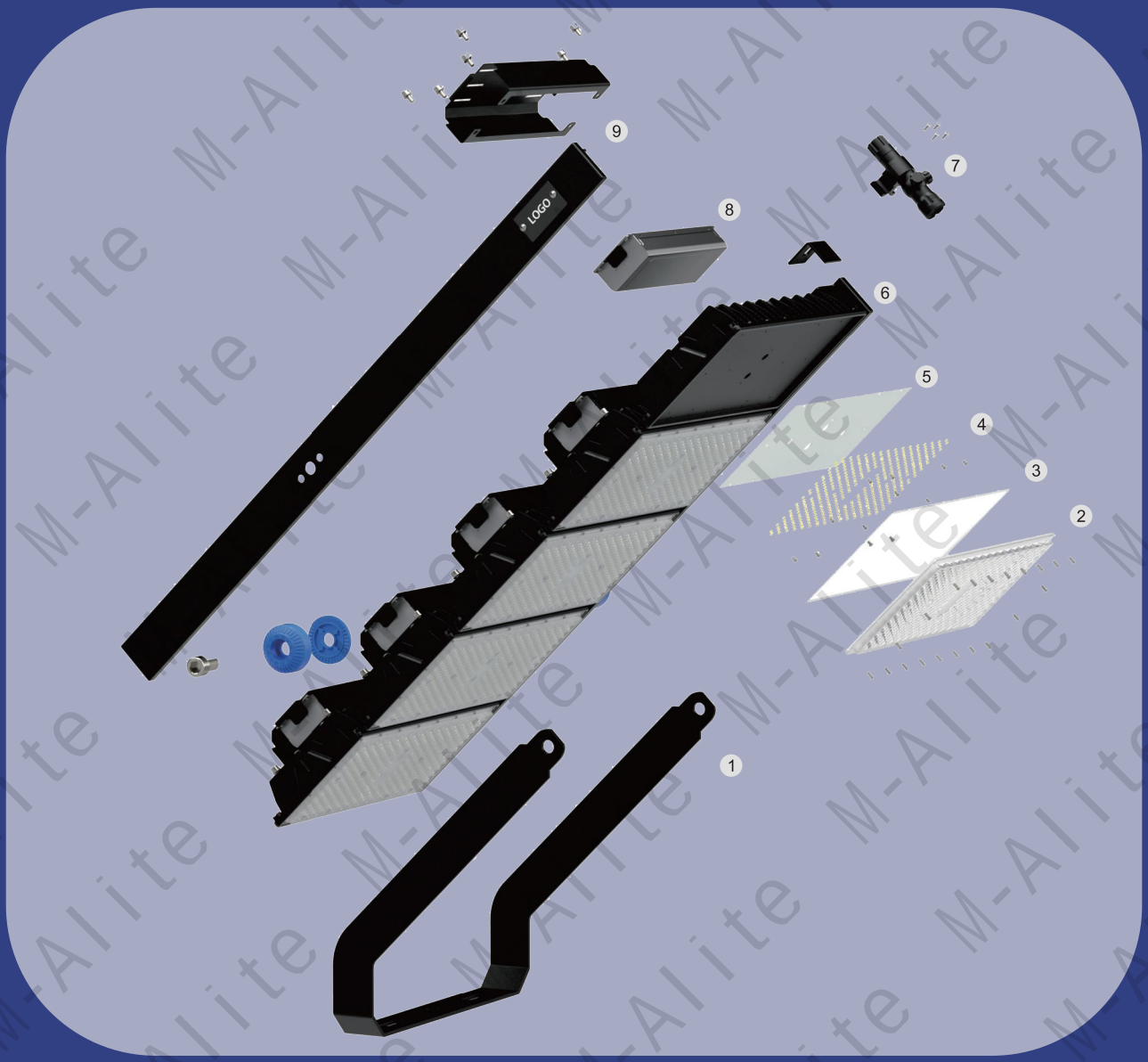
AFL70

CE ErP

MAIN APPLICATIONS

ROADS & MOTORWAYS | TUNNELS & UNDERPASSES | LARGE AREAS | SPORT FACILITIES | CAR PARKS | INDUSTRIAL HALLS & WAREHOUSES

AFL70 is a new type of module flood light fixture, which supports up to 8 modules, corresponding to 8 different powers from 250W to 2500W,It' s designed to meet the high-power requirements and ensure the best cost. AFL70 not only uses ADC12 die-casting aluminum heat sink, but also adopts the most advanced finite element heat dissipation technology to control lamp temperature to maintain ultra-high lumen rate. The lens is made of UV-resistant PC material. With 6 different symmetrical luminous angles to choose, AFL70 can be installed in various places and has diversified characteristics. What' s more, AFL70 can replace street lights by mounting at poles alongside roads. It can be applied in urban expressways, factories, schools, sport stadium, squares and other indoor and outdoor places.



1. **Strong stand**
   More secure installation.
2. **Optical PC lens**
   Non-yellowing material.
3. **Silicone waterproof seal**
   UV resistant material, reliable without failure.
4. **3030/5050 SMD LED**
5. **High thermal conductivity aluminum substrate**
   Fast heat dissipation, reduce light decay.
7. **ADC12 die-cast aluminum heat sink**
   Efficiency up to 96W/M.K.
6. **Laser locator**
8. **Cooling respirator design**
   It can avoid the problem of seal failure caused by thermal expansion and contraction.
9. **External waterproof power supply**
   On the special iron shell, no contact with the lamp body, thermoelectric separation, longer life.

M-ALITE

Technical Data

Led Module

LED Chip Brand	Lumileds | Cree | Epistar plus
LED Chip Type	SMD3030 | SMD5050
Luminous Efficacy	150LM/W
Color Rendering Index (RA)	> 70 | 80 | 90
Color Temperature	2400K | 2700K | 3000K | 4000K 5000K |
Beam Angle	15° | 30° | 45° | 60° | 90° | 120°
Number Of Lens	A:1Pcs | B:2 Pcs | C:3Pcs | D:4Pcs | E:5Pcs | F:6Pcs | G:8Pcs | H:10Pcs |

Electrical Parameters

Power A	250W
Power B	500W
Power C	750W
Power D	1000W
Power E	1250W
Power F	1500W
Power G	2000W
Power H	2500W
Voltage	AC100-240V
Frequency	50/60Hz
Electrical Class	Class I | Class II
Work Temperature	(-30 °C to 50 °C)
Humidity	10 % to 90%
IP Grade	IP66
IK Grade	IK08
SPD	10KV | 20KV (Optional)

Driver

Brand	Philips | Inventronics | Sosen | OEM |
Power Factor	＞0.9
Performance	＞ 90%
IP Grade	IP20 to IP67
THD	＜ 15%

Materials and Properties

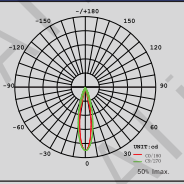
Material Of Shell	Aluminum (ADC12)
Material Of Lens	PC
Size of 250W (mm)	436*284*163
Size of 500W (mm)	436*499*183
Size of 750W(mm)	464*689*183
Size of 1000W (mm)	464*879*183
Size of 1250W (mm)	464*1069*183
Size of 1500W (mm)	865*692*189
Size of 2000W (mm)	865*882*189
Size of 2500W (mm)	865*1072*189

Tested according to

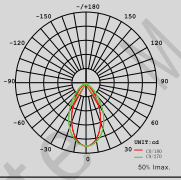
CE-LVD	EN 60598-2-3:2003 + A1:2011 EN IEC 60598-1:2021 EN 62471:2008 EN 62493:2015
CE-EMC	EN 55015:2013+A1:2015 EN 61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019
ROHS	IEC62321-1:2013, IEC62321-3-1:2013 IEC62321-4:2013/AMD1:2017 IEC62321-5:2013, IEC62321-6:2015 IEC62321-7-1:2015, IEC62321-7-2:2017 IEC62321-8:2017

Typical photometric features

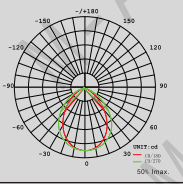
15°



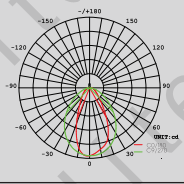
30°



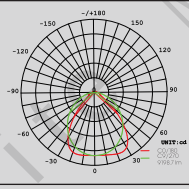
45°



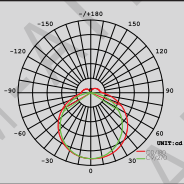
60°



90°

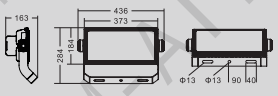


120°

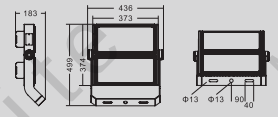


Product Size

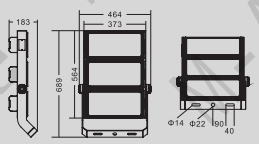
250W



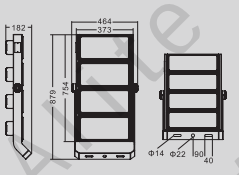
500W



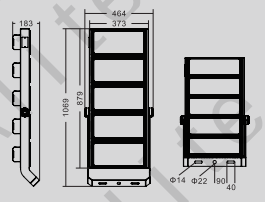
750W



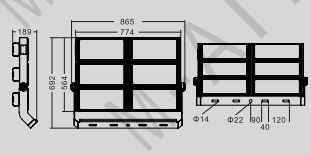
1000W



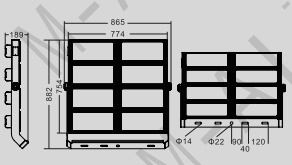
1250W



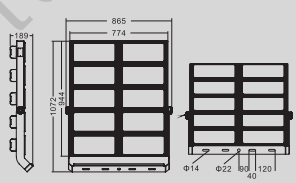
1500W



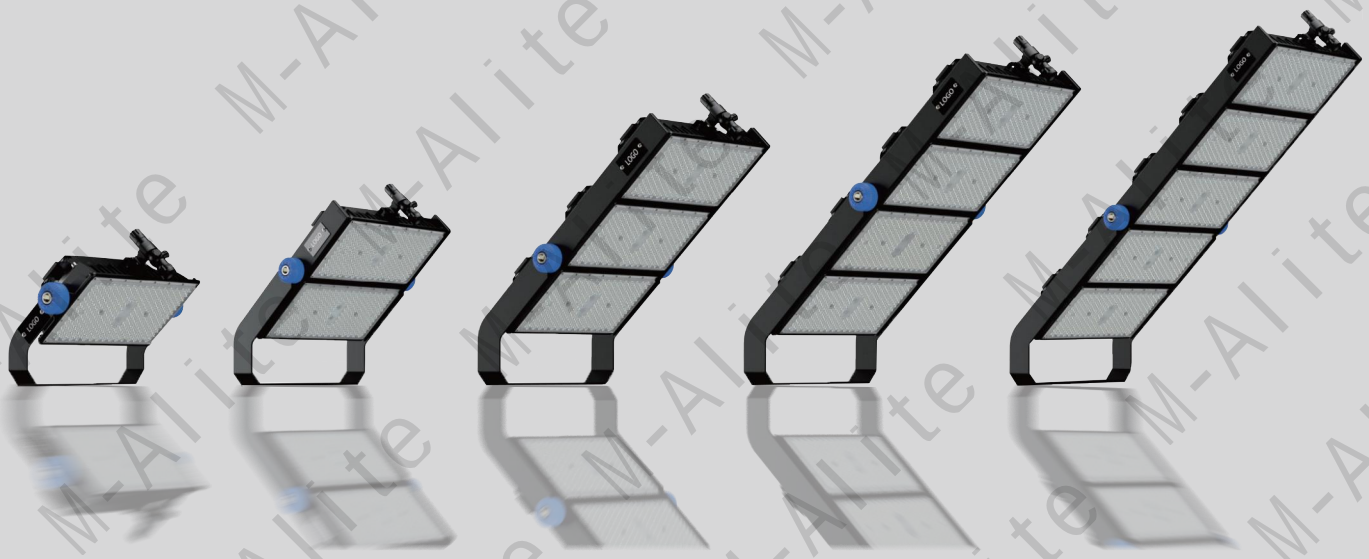
2000W



2500W

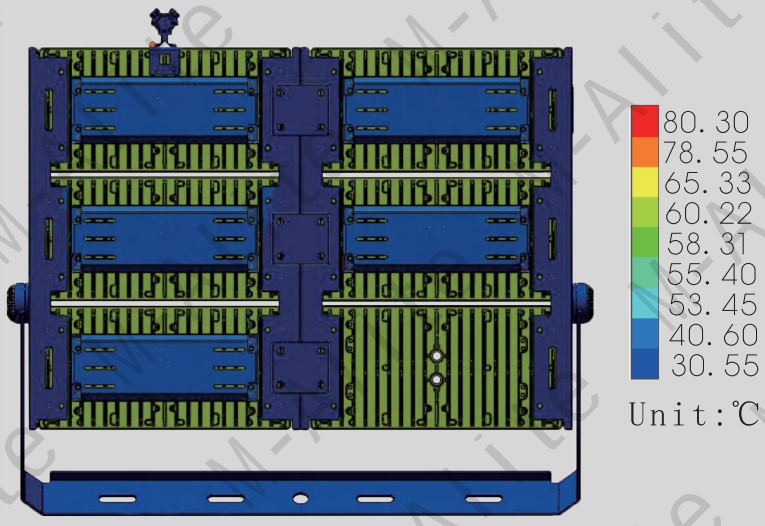


Combination

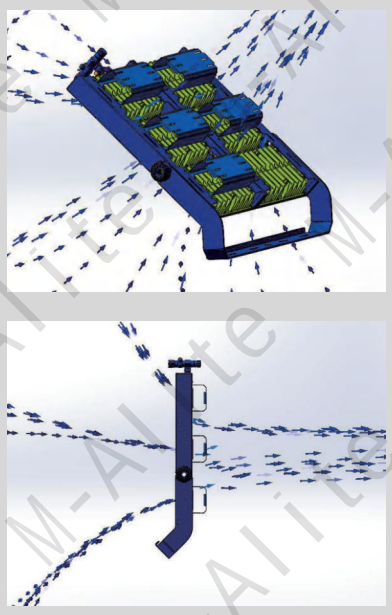


Thermal Control Technology

Thermal Conductivity

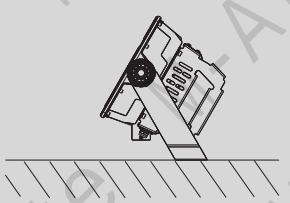


Thermal Air Convection

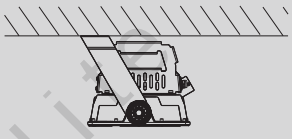


Multiple installation methods

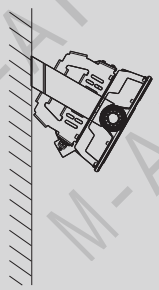
Floor Installation



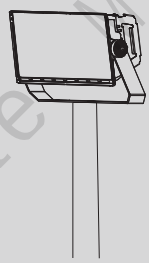
Ceiling Installation



Suction Wall Installation



Post Installation



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